

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW041222\  
 Data File : VW022519.D  
 Acq On : 12 Apr 2022 20:47  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025483

Quant Time: Apr 13 01:12:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Apr 12 23:30:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 367450   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 363183   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 197372   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 124923   | 15.379   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 61.520%  |
| 7) Chloroethane-d5            | 2.892  | 69    | 96670    | 18.988   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.960%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 194197   | 18.432   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 73.720%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 83970    | 59.209   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 118.420% |
| 24) Chloroform-d              | 7.647  | 84    | 264669   | 23.044   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 152763   | 23.279   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.120%  |
| 32) Benzene-d6                | 8.275  | 84    | 464019   | 20.912   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 83.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 143424   | 22.336   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.360%  |
| 41) Toluene-d8                | 10.323 | 98    | 447139   | 20.575   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 82.320%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 66006    | 21.781   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 87.120%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 72071    | 60.326   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 120.660% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 152823   | 27.990   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 111.960% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 183379   | 26.231   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 104.920% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 51020    | 28.325   | ug/L   | 98       |
| 3) Chloromethane              | 2.221  | 50    | 87276    | 19.434   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361  | 62    | 184717   | 19.712   | ug/L   | 99       |
| 6) Bromomethane               | 2.782  | 94    | 118810   | 20.857   | ug/L   | 93       |
| 8) Chloroethane               | 2.922  | 64    | 91128    | 22.213   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 81101    | 23.442   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 133111   | 24.163   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 120606   | 24.377   | ug/L   | 86       |
| 13) Acetone                   | 4.129  | 43    | 48627    | 50.359   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.391  | 76    | 329243   | 20.229   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.678  | 43    | 58947    | 24.327   | ug/L   | 94       |
| 16) Methylene chloride        | 4.916  | 84    | 140502   | 25.411   | ug/L   | 88       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 139020   | 23.987   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 235114   | 24.839   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 241737   | 22.859   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 153314   | 25.046   | ug/L # | 90       |
| 22) 2-Butanone                | 7.171  | 43    | 75586    | 51.829   | ug/L   | 95       |
| 23) Bromochloromethane        | 7.513  | 128   | 69471    | 26.371   | ug/L   | 91       |
| 25) Chloroform                | 7.677  | 83    | 269364   | 24.184   | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025483

Quant Time: Apr 13 01:12:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Apr 12 23:30:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 186523   | 23.826 | ug/L   | 97       |
| 29) Cyclohexane               | 7.958  | 56   | 208289   | 20.038 | ug/L   | 93       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 228588   | 22.690 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 207788   | 22.980 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 558512   | 22.651 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 153865   | 23.305 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.336  | 83   | 252481   | 21.315 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 136822   | 23.162 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 202688   | 23.860 | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 220222   | 23.494 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 182872   | 50.727 | ug/L   | 95       |
| 42) Toluene                   | 10.384 | 91   | 636827   | 22.539 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 196498   | 23.412 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 117270   | 26.012 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 116276   | 23.959 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 131279   | 51.618 | ug/L # | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 146831   | 27.309 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 119373   | 26.815 | ug/L # | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 424014   | 24.557 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.725 | 91   | 720899   | 22.762 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 288513   | 23.959 | ug/L   | 89       |
| 54) o-Xylene                  | 12.164 | 106  | 278908   | 24.237 | ug/L   | 95       |
| 55) Styrene                   | 12.176 | 104  | 477897   | 24.307 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 145936   | 26.374 | ug/L   | 99       |
| 59) Bromoform                 | 12.347 | 173  | 74823    | 25.512 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.463 | 105  | 767525   | 23.410 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 107704   | 25.653 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 423619   | 23.494 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 649279   | 23.680 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 333881   | 25.092 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 332188   | 25.032 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 309691   | 26.024 | ug/L   | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 26881    | 27.606 | ug/L   | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 223890   | 25.789 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 190529   | 26.131 | ug/L   | 98       |
| 71) Naphthalene               | 15.359 | 128  | 438603   | 28.520 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 162394   | 26.056 | ug/L   | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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